

IAP7 Rec'd PCT/PTO 17 JAN 2006

TRANSMITTAL LETTER General - Patent Pending)	Docket No. 87792.065605
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In Re Application of Boneham et al.

Application No. 10/537,852	Filing Date June 8, 2005	Examiner Unknown	Customer No. 23469	Group Art Unit Unknown	Confirmation No. N/A
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Title: **PEPTIDE OLIGOMERS FOR USE AS HIV VACCINES**

COMMISSIONER FOR PATENTS:

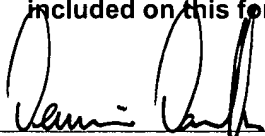
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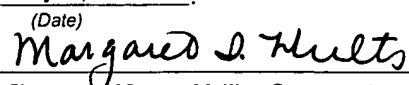
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Dated: **January 13, 2006**

Dennis B. Danella, Esq.
Reg. No.: 46,653
JAECKLE FLEISCHMANN & MUGEL, LLP
190 Linden Oaks
Rochester, New York 14625-2812
Telephone: (585) 899-2930
Facsimile: (585) 899-2931

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Applicant(s): Boneham, et al.

Docket No.

87792.065605

Application No.

10/537,852

Filing Date

June 8, 2005

Examiner

Unkn wn

Customer No.

23469

Group Art Unit

Unknown

Invention: PEPTIDE COMPOUNDS FOR USE AS HIV VACCINES

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Applicant(s): Boneham et al.

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Group Art Unit

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Invention: PEPTIDE OLIGOMERS FOR USE AS HIV VACCINES

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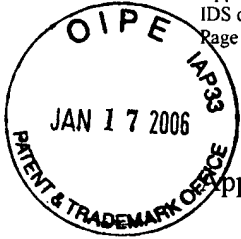
Group Art Unit

UnknownInvention: **PEPTIDE OLIGOMERS FOR USE AS HIV VACCINES**I hereby certify that this **Copies of 42 references***(Identify type of correspondence)*

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Docket No. 87792.065605

Applicants : Boneham et al.
Appl. No. : 10/537,852
Filed : June 8, 2005
Title : Peptide Oligomers for Use as HIV Vaccines
TC/A.U. : Not Yet Known
Examiner : Not Yet Known

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 CFR §§1.97-1.98, applicants hereby bring to the attention of the United States Patent and Trademark Office ("PTO") the references listed on the attached PTO-1449 form. No fee is deemed necessary in connection with the filing of this Information Disclosure Statement ("IDS"), since this IDS is being filed before the mailing of a first Office Action on the merits.

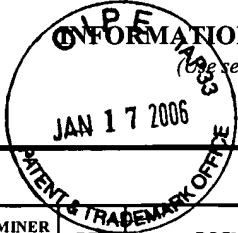
Please direct any questions regarding this application to applicants' undersigned attorney at the number provided.

Respectfully submitted,

Dennis B. Danella
Reg. No. 46,653
Direct Tel: 585-899-2957

1/13/06
Dated

Jaeckle Fleischmann & Mugel, LLP
190 Linden Oaks
Rochester, NY 14625-2812
Tel: 585-899-2930
Fax: 585-899-2931

				Docket Number (Optional) 87792.065605		Application Number 10/537,852		
				Applicant(s) Boneham et al				
				Filing Date June 8,2005		Group Art Unit Unknown		
U.S. PATENT DOCUMENTS								
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	1	5,185,147	02-09-1993	Papsidero				
	2	5,750,332	05-12-1998	Robey et al				
U.S. PATENT APPLICATION PUBLICATIONS								
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation YES NO	
	3	WO 94/03487	02-17-1994	WO				
	4	WO 03/022879	03-20-2003	WO				
	5	WO 94/29339	12-22-1994	WO				
	6	EP 0 570 357 B1	06-25-1997	EP				
	7	WO 00/61618	10-19-2000	WO				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
	8	Tripathy et al, "Design and Synthesis of a Self-Assembling Peptide Derived From the Envelope Proteins of HIV Type 1" (1992) J. Immunol. 148(12): 4012-20						
	9	Scala et al, "Selection of HIV-Specific Immunogenic Epitopes by Screening Random Peptide Libraries with HIV-1-Positive Sera", (1999) J. Immunol. 162(10): 6155-61						
EXAMINER				DATE CONSIDERED				
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								

INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>	ATTY DOCKET NO. 87792,065605	APPLICATION NO. 10/537.852
	APPLICANT(S) Boneham et al.	
	FILING DATE June 08, 2005	GROUP ART UNIT Unknown

U.S. PATENT DOCUMENTS							
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U.S. PATENT APPLICATION PUBLICATIONS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	10	WO 01/019958 A3	03-22-2001	WO				

OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>			

EXAMINER	DATE CONSIDERED
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*EXAMINER INITIAL	OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>		
11	Barnett et al, "The Ability of an Oligomeric Human Immunodeficiency Virus Type 1 (HIV-1) Envelope Antigen to Elicit Neutralizing Antibodies against Primary HIV-1 Isolates is Improved following Partial Deletion of the Second Hypervariable Region", (2001) J Virol. 75(12): 5526-40		
12	Defoort et al, "Macromolecular assemblage in the design of a synthetic AIDS vaccine", (1992) Proc Natl Acad Sci USA 89: 3879-3883		
13	Zwick et al (2001) "Identification and Characterization of a Peptide That Specifically Binds the Human, Broadly Neutralizing Anti-Human Immunodeficiency Virus Type 1 Antibody b12" J. Virol. 75: 6692-6699		
14	Cruz et al, "A Comparative Study of Different Presentation Strategies for an HIV Peptide Immunogen", (2004) Bioconjugate Chem. 15: 112-120 (NOT PRIOR ART)		
15	Angelaccio & Bonaccorsi di Patti, "Site-Directed Mutagenesis by the Megaprimer PCR Method: Variations on a Theme for Simultaneous Introduction of Multiple Mutations", (2002) Analytical Biochemistry 306: 346-9		
16	Beddows et al, "Comparison of the Antibody Repertoire Generated in Healthy Volunteers following Immunization with a Monomeric Recombinant gp120 Construct Derived from a CCR5/CXCR4-Using Human Immunodeficiency Virus Type 1 Isolate with Sera from Naturally Infected Individuals", (1999) J. Virol. 73. 1740-1745		
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19	Brons-Poulsen et al, "An improved PCR-based method for site directed mutagenesis using megaprimers", (1998) Molecular & Cellular Probes 12, 345-348		
20	Buchacher et al (1994) "Generation of Human Monoclonal Antibodies against HIV-1 Proteins; Electrofusion and Epstein-Barr Transformation for Peripheral Blood Lymphocyte Immortalization" AIDS Research and Human Retroviruses 10: 359-369		
21	Burton et al, "A large array of human monoclonal antibodies to type 1 human immunodeficiency virus from combinatorial libraries of asymptomatic seropositive individuals", (1991) Proc. Natl. Acad. Sci. USA 88, 10134-10137		
22	Burton et al, "Efficient Neutralization of Primary Isolates of HIV-1 by a Recombinant Human Monoclonal Antibody", (1994) Science 266, 1024-1027		
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	23	Coeffier et al (2000) "Antigenicity and Immunogenicity of the HIV-1 gp41 Epitope ELDKWA Inserted into Permissive Sites of the MalE Protein" Vaccine 19, 684-693	
	24	Collins et al, "Structural dynamics of the membrane translocation domain of colicin E9 and its interaction with TolB", (2002) J. Mol. Biol. 318, 787-804	
	25	Felici et al "Selection of antibody ligands from a large library of oligopeptides expressed on a multivalent exposition vector" (1991) Journal of Molecular Biology 222, 301-310	
	26	Felici et al, "Mimicking of discontinuous epitopes by phage-displayed peptides, II. Selection of clones recognized by a protective monoclonal antibody against the Bordetella pertussis toxin from phage peptide libraries", (1993) Gene 128, 21-27	
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	28	Harlow & Lane in "Antibodies: A Laboratory Manual", Cold Spring Harbor Laboratory, Cold Spring Harbor, New York. 1988. Pages 636-641.	
	29	Huston et al, "Protein engineering of antibody binding sites: Recovery of specific activity in an anti-digoxin single-chain Fv analogue produced in Escherichia coli", (1988) Proc. Natl. Acad. Sci. USA 85, 5879-5883	
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	32	Miyazaki & Takenouchi, "Creating Random Mutagenesis Libraries Using Megaprimer PCR of Whole Plasmid", (2002) Biotechniques 33, 1033-1038	
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	35	Parren et al, "Antibody Protects Macaques against Vaginal Challenge with a Pathogenic R5 Simian/Human Immunodeficiency Virus at Serum Levels Giving Complete Neutralization in Vitro", (2001) J. Virol. 75, 8340-8347			
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	38	Vos, "B-cell activation by T-cell-independent type 2 antigens as an integral part of the humoral immune response to pathogenic microorganisms", (2000) Immunol. Rev. 176, 154-170			
	39	Ward et al, "Binding activities of a repertoire of single immunoglobulin variable domains secreted from Escherichia coli", (1989) Nature 341, 544-546			
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